TECNIA INSTITUTE OF ADVANCED STUDIES
Grade 'A' Institute
Department of Information, Communication & Technology
Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. Academic Session 2024-25)
As per UGC Curriculum & Credit Framework for Undergraduate Programme (CCFUP)
(Dec 2022): GGSIP University, Delhi

COURSE CODE BCA 102P#
COURSE NAME: DBMS LAB

LEARNING OBJECTIVES:
The course is to provide the basics of SQL. To understand RDBMS and construct queries using SQL to design a database and manipulate data in it.

PREREQUISITE: NIL
COURSE OUTCOMES (COS):
After completion of this course, the learners will be able to:

CO #	Detailed Statement of the CO	BT Level	Mapping to PO #
CO1	Understand the structure and design of relational databases.	BT2	PO3
CO2	Write DDL statements in SQL to create, Modify and remove database objects	BTL1, BTL3, BTL4	PO3, PO5
CO3	Use constraints for the database	BTL1, BTL2, BTL3	PO3,PO5
CO4	Write DML statements in SQL to insert, Modify and remove data from database	BTL4	PO3,PO5
CO5	Write SQL statements to retrieve data based on the conditions provided by the user	BTL1, BTL2, BTL3	PO3,PO5
CO6	Use index and Views in database	BTL2	PO3,PO5
CO7	Use structured query language (SQL) to an intermediate/advanced level	BTL5, BTL6	PO4